

Task 3: Take away Restaurant

→ Branch : Branch-TID, Address, Contact-number,
manager TID.

→ **Staff** : Staff ID, full name, Age, - City, Region, Role, Joining Date, monthly Salary, Branch ID.

→ **Customer** : Customer Code, Customer name, Contact number.

→ Menu Item: Item Code, Item name, Unit price,
Item Category.

→ **Order**: order Id, Delivery Address, Total Bill, order date, order Time, Customer Code, Delivery boy Id.

→ Delivery Boy: Delivery Boy id, Name, Contact number.

→ Branch means → Relationship Entity & Item Code.

→ order Item → Relationship Entity:
order Id, Item Code, quantity, Item Total Price.

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* Relationship analysis:

1. Branch \leftrightarrow staff (1:M)

→ one Branch has many staff members.

→ one staff member belongs to exactly one branch.

→ Relationship: "Employes"

2. Branch \leftrightarrow staff (1:1) → for manager

→ one Branch has exactly one manager.

→ one staff member can manage at most one branch.

→ Relationship: "manages".

3. Branch \leftrightarrow menu item (m:m)

→ one branch can have many menu items.

→ one menu item can be available at many branches.

→ Relationship: "Offers".

4. Customer \leftrightarrow order (1:m)

→ one Customer can place many orders.

→ one order belongs to exactly one Customer.

→ Relationship: "Places".

5. order \leftrightarrow menu item (m:m)
- one order Can contains many menu items.
 - one menu item Can be in many orders.
 - Relationship : "Contains"

6. Delivery Boy \leftrightarrow Order (1:m)
- one delivery boy Can deliver many orders.
 - one order is delivered by exactly one delivery boy.
 - Relationship : "Delivers"



